CEDAR STREET BRIDGE

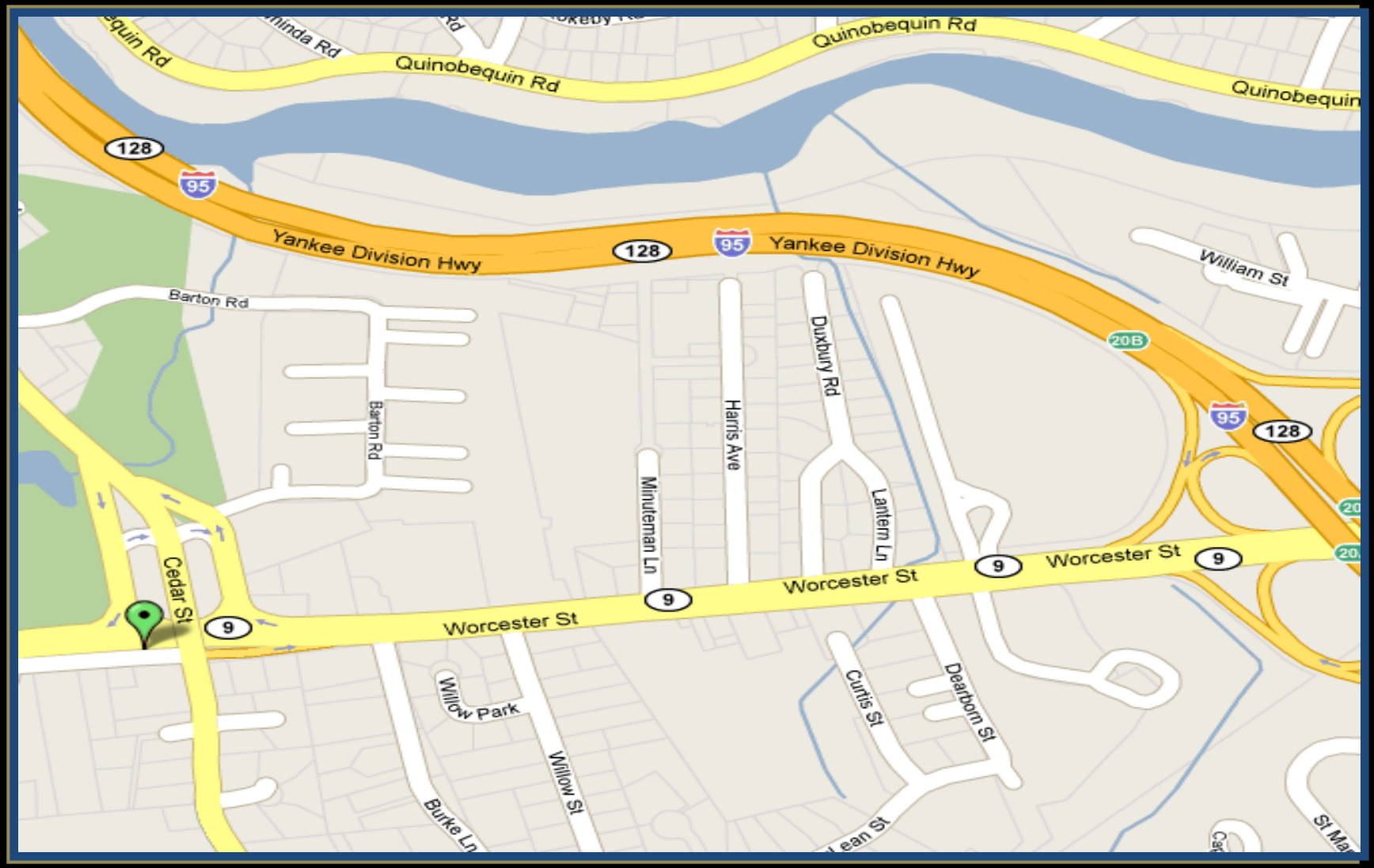
Wellesley Massachusetts

ACCELERATED BRIDGE PROGRAM

Innovation, Efficiency, & Transparency

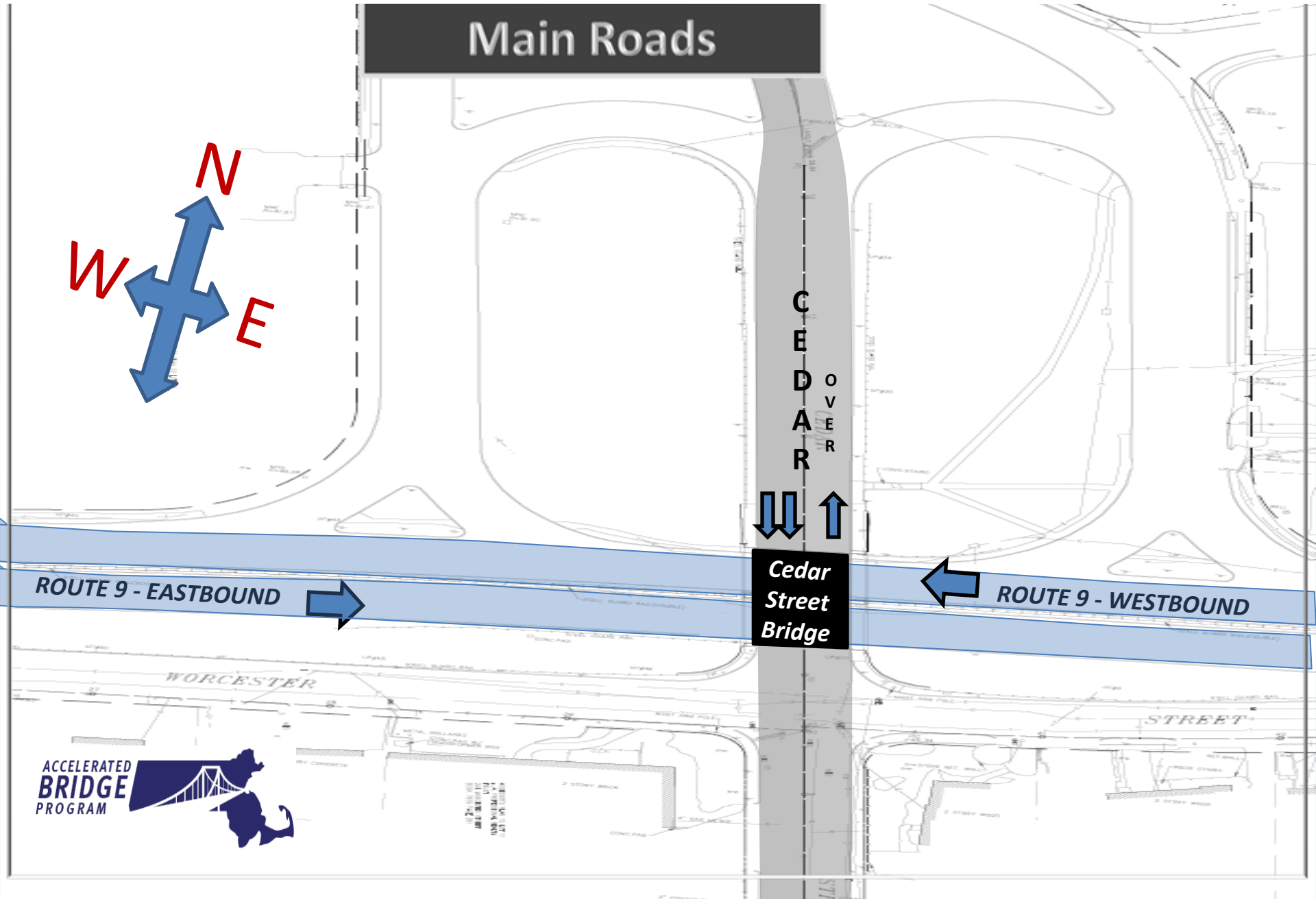
Heavy Lift Innovation

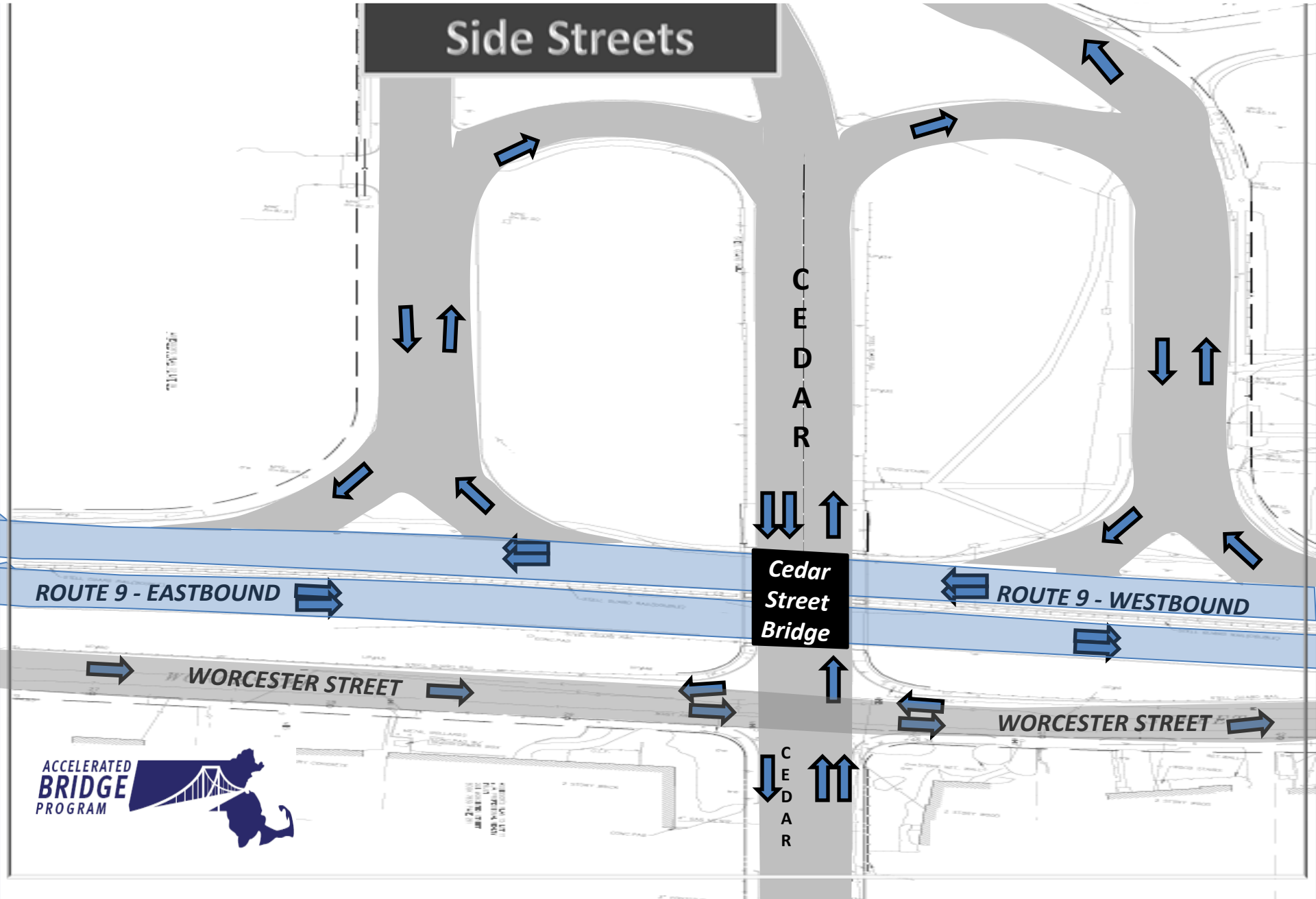
Accelerated Bridge Program



Aerial View

Main Roads

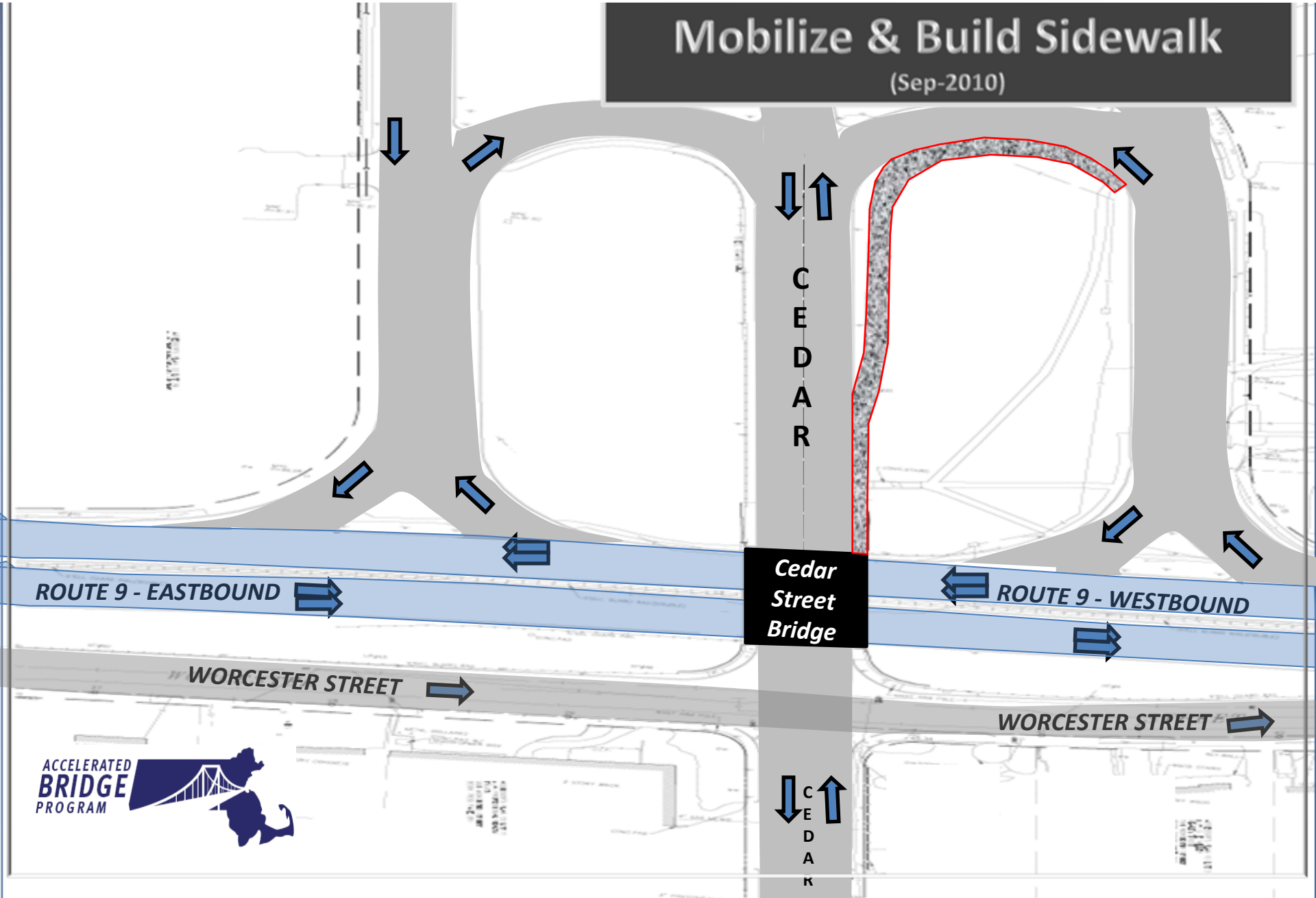

N
W
E
CEDAR
OVER
ROUTE 9 - EASTBOUND
Cedar Street Bridge
ROUTE 9 - WESTBOUND
WORCESTER
STREET
ACCELERATED BRIDGE PROGRAM


Side Streets
CEDAR
ROUTE 9 - EASTBOUND
Cedar Street Bridge
ROUTE 9 - WESTBOUND
WORCESTER STREET
WORCESTER STREET
CEDAR
ACCELERATED BRIDGE PROGRAM

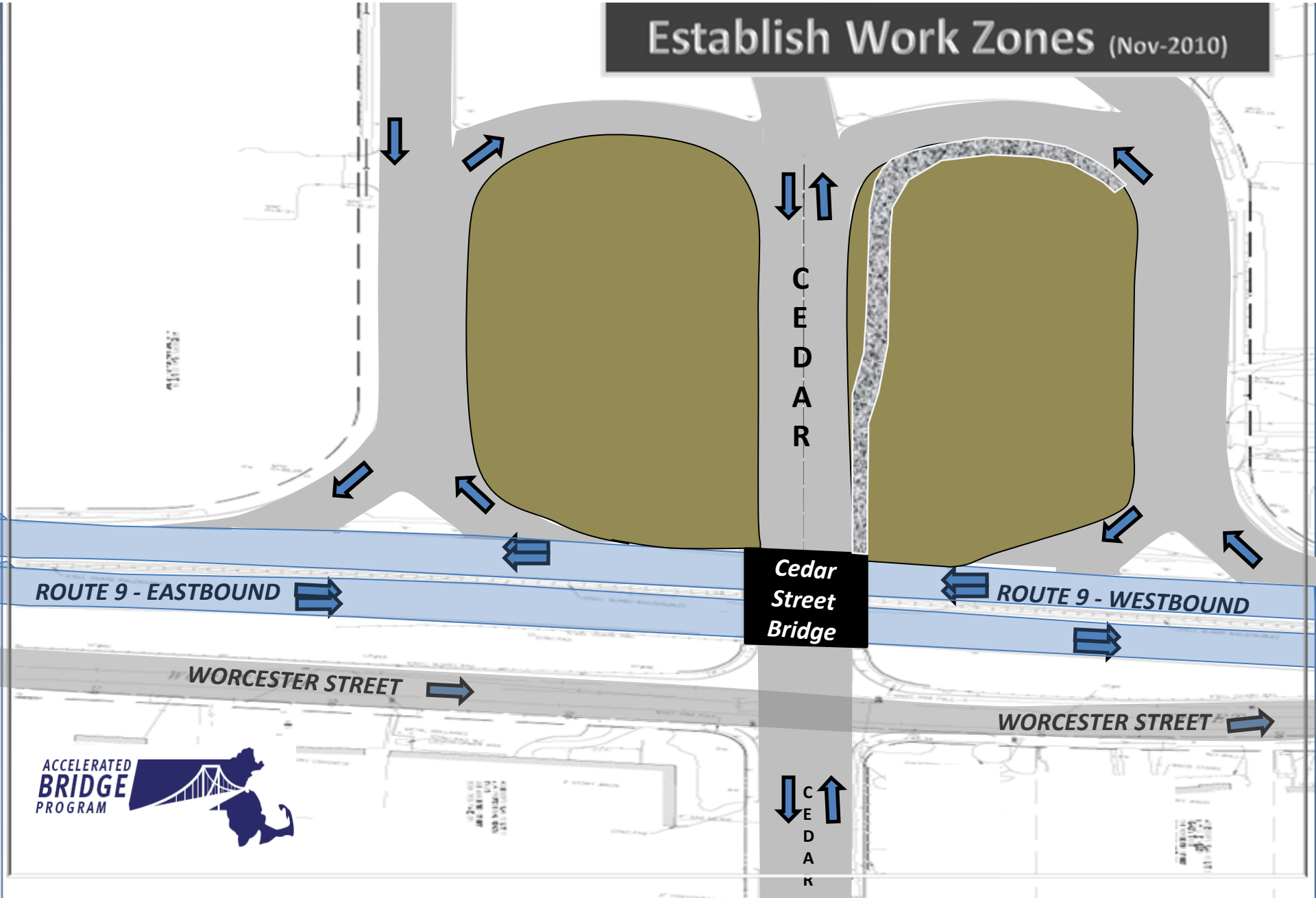
Select Design / Build Team

	Start	Finish
INITIAL DESIGN PROCESS	2008	Jan-2010
BID PROCUREMENT PROCESS	Jan-2010	May-2010
DESIGN & PRECONSTRUCTION	May-2010	Nov-2010
EARLY SITE WORK - PREPARATION	Nov-2010	Jun-2011

ACCELERATED BRIDGE PROGRAM

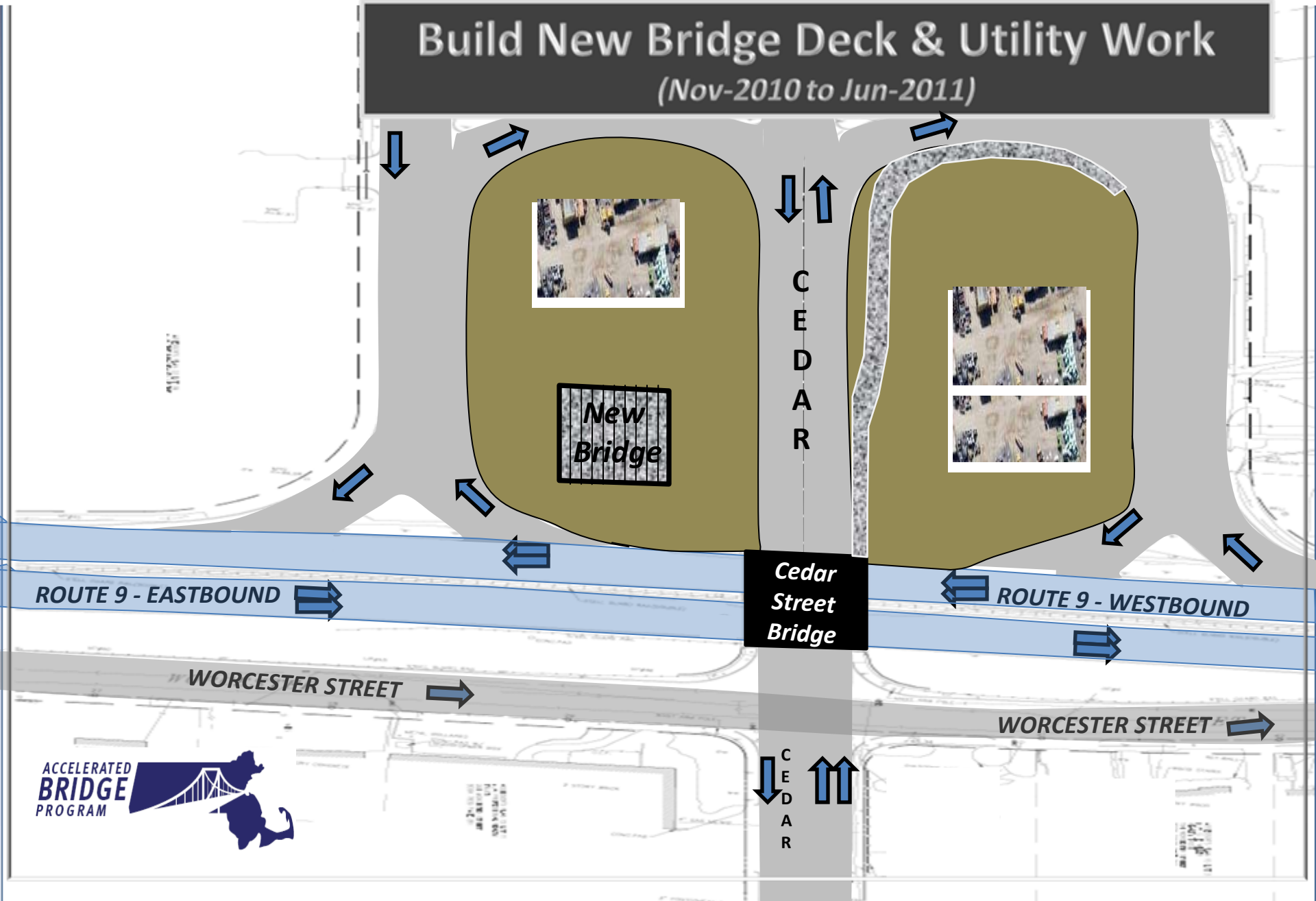

Mobilize & Build Sidewalk
(Sep-2010)
CEDAR
ROUTE 9 - EASTBOUND
Cedar Street Bridge
ROUTE 9 - WESTBOUND
WORCESTER STREET
WORCESTER STREET
CEDAR
ACCELERATED BRIDGE PROGRAM

Establish Work Zones (Nov-2010)



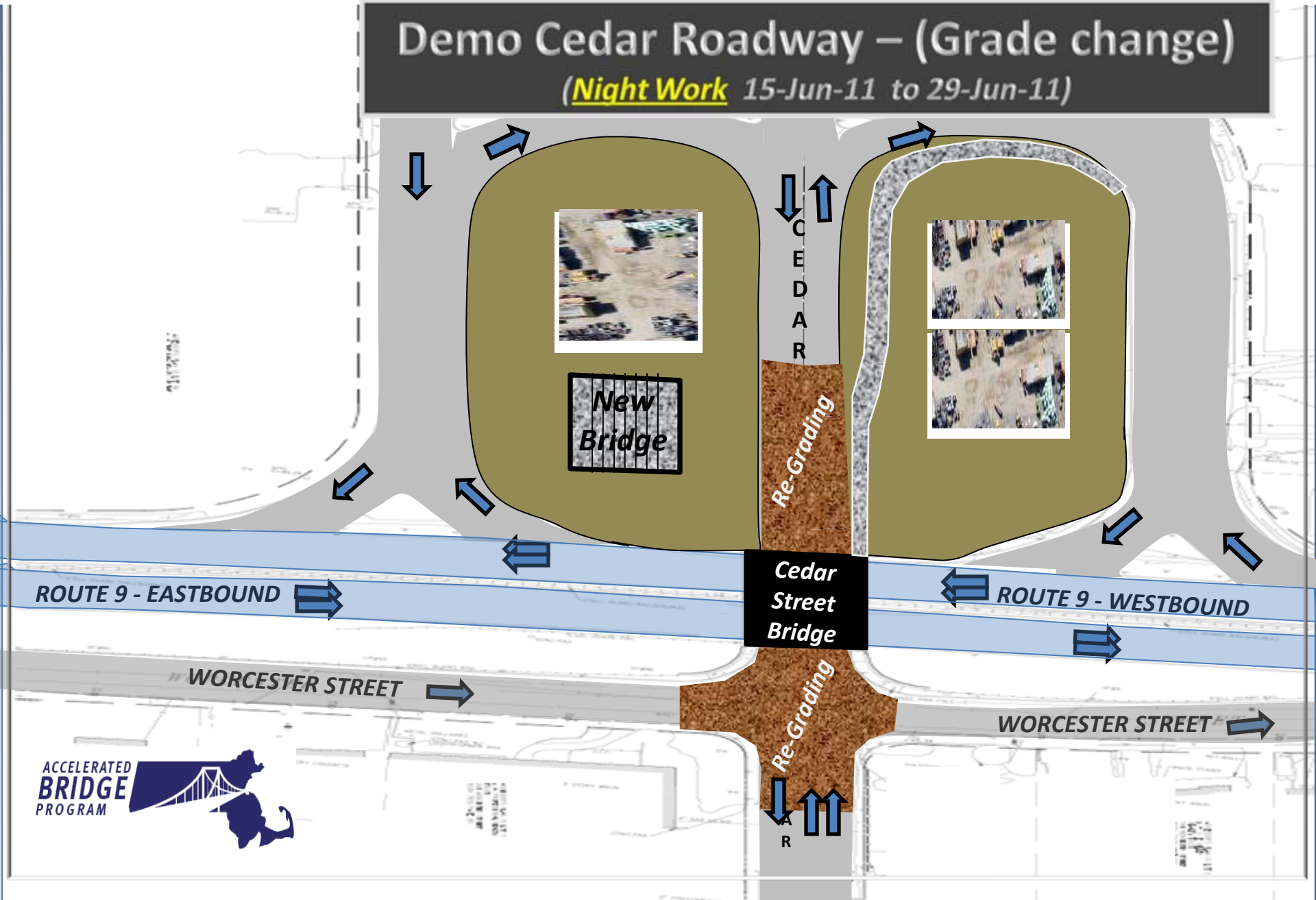
Build New Bridge Deck & Utility Work

(Nov-2010 to Jun-2011)



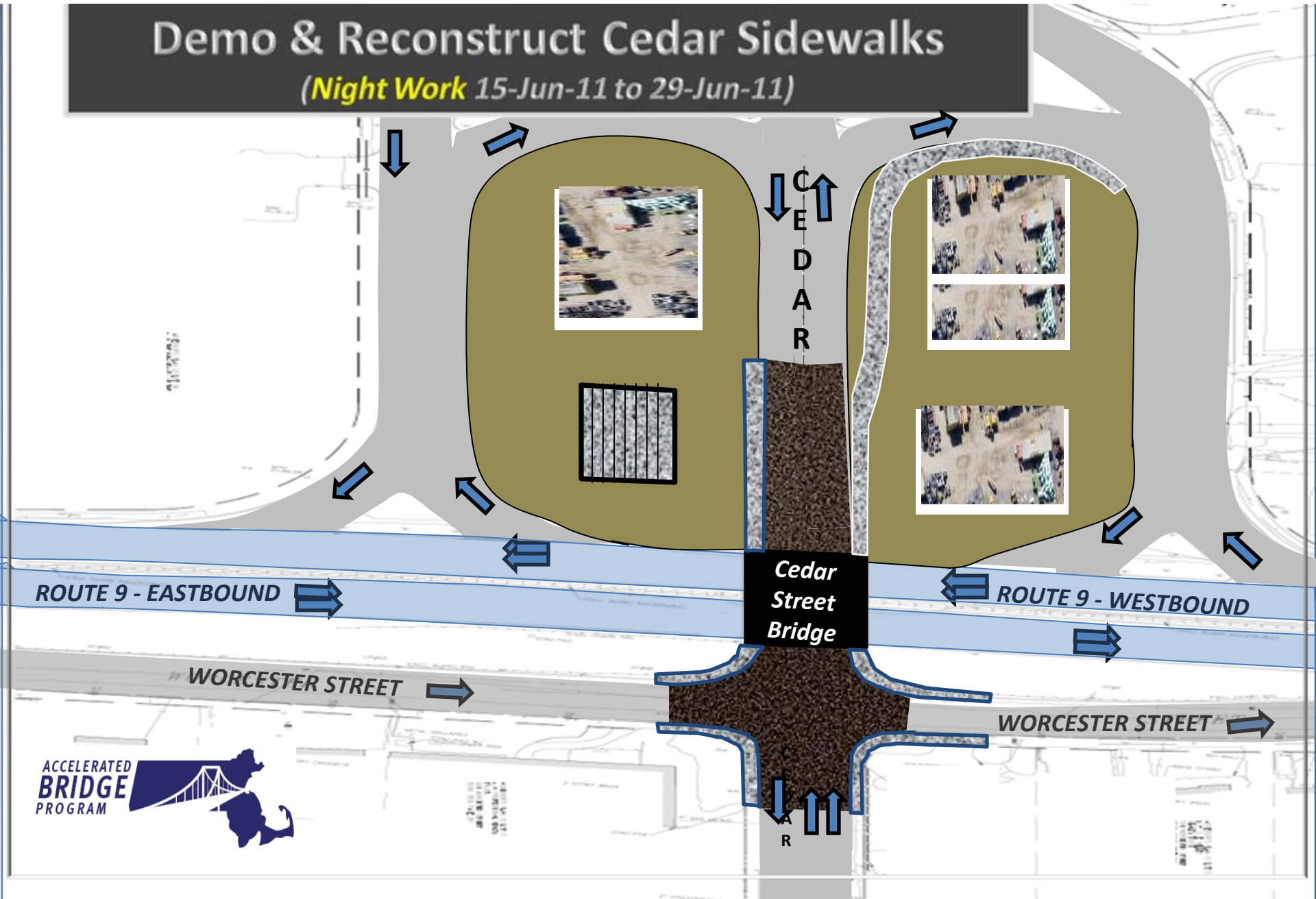
Demo Cedar Roadway – (Grade change)

(Night Work 15-Jun-11 to 29-Jun-11)



Demo & Reconstruct Cedar Sidewalks

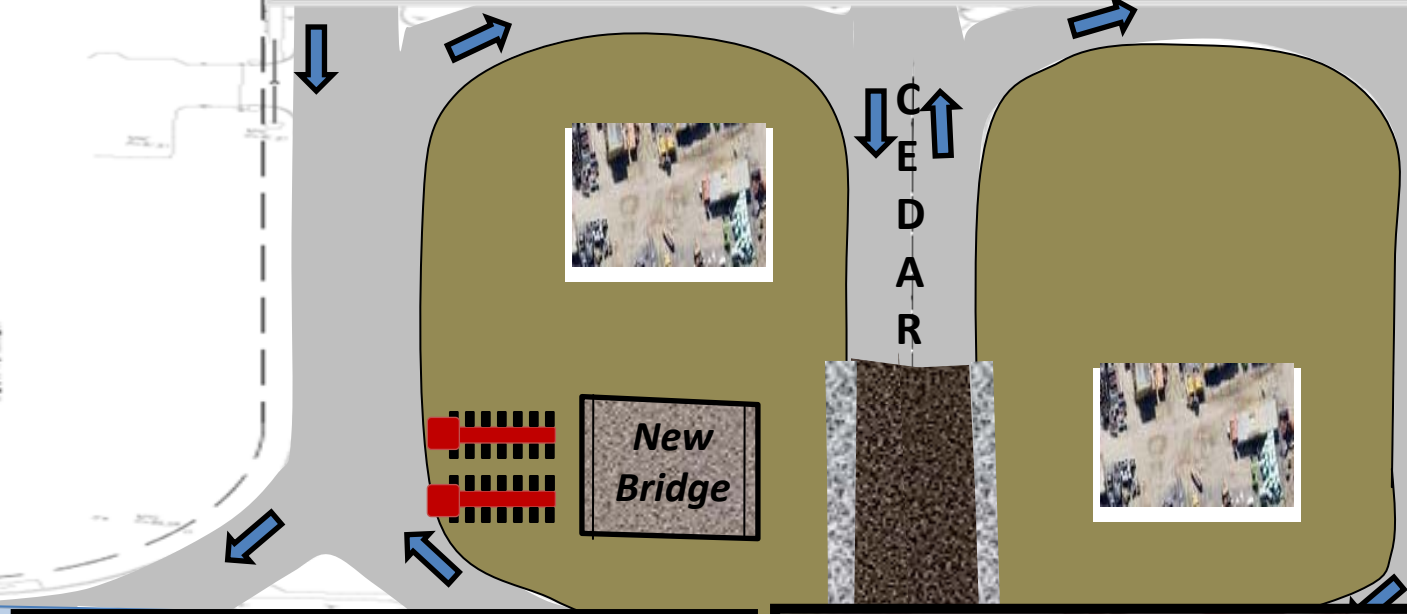
(Night Work 15-Jun-11 to 29-Jun-11)



ACCELERATED BRIDGE PROGRAM

Assemble Bridge Moving Equipment

(SPMT'S 15-Jun-11 to 29-Jun-11)



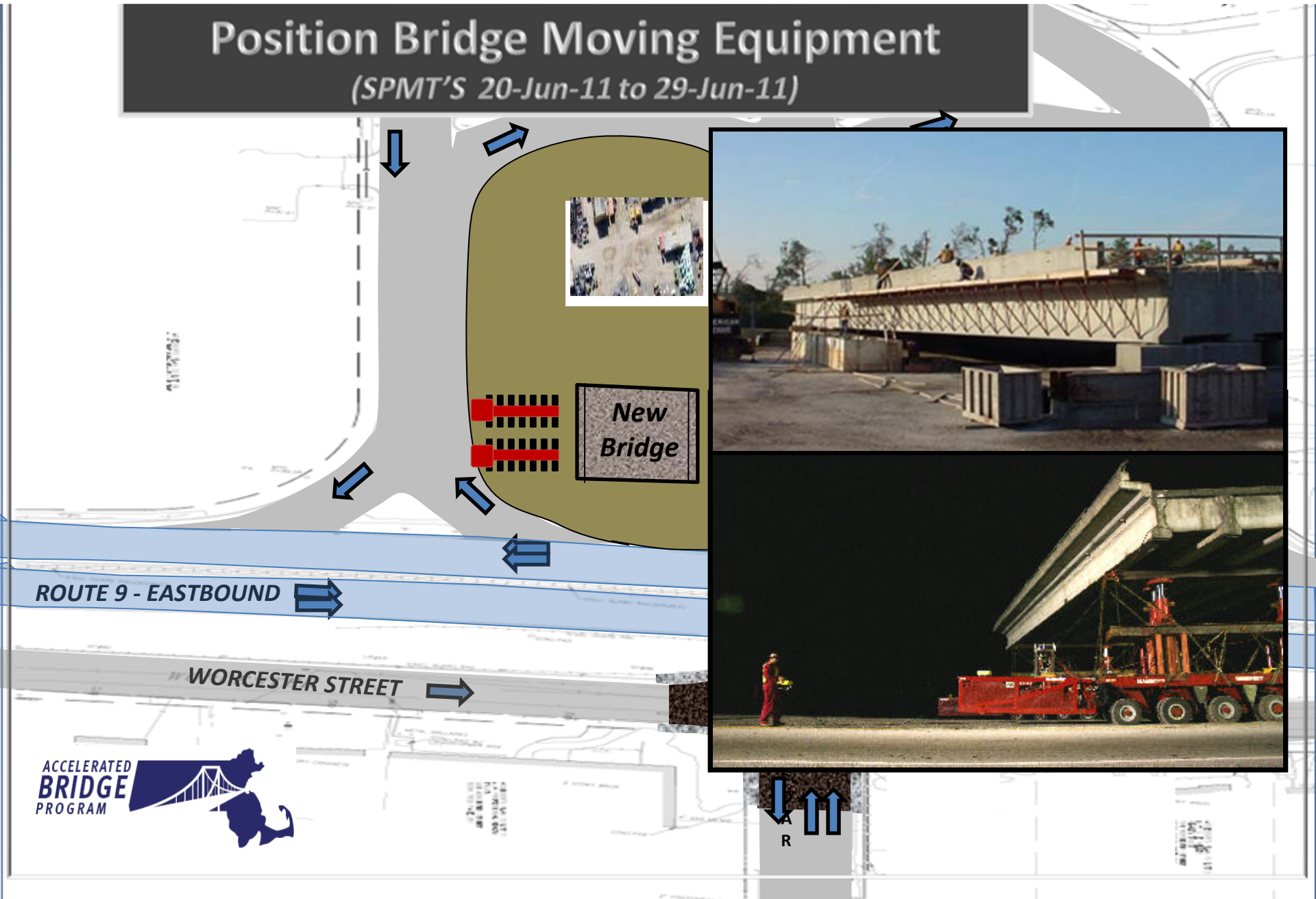
ROUTE 9 - EAS

ND

ACCELERATED BRIDGE PROGRAM

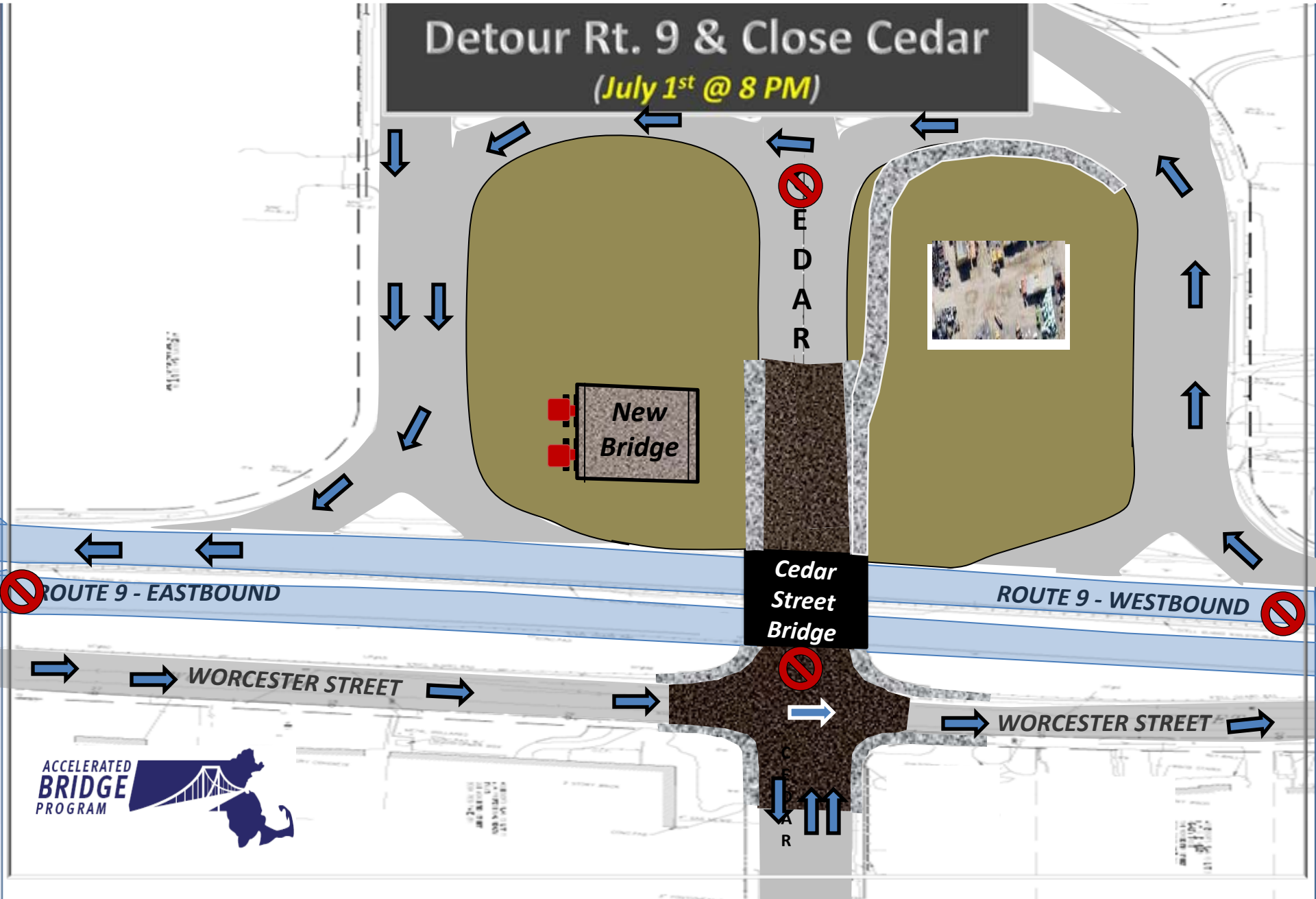
Position Bridge Moving Equipment

(SPMT'S 20-Jun-11 to 29-Jun-11)



Detour Rt. 9 & Close Cedar

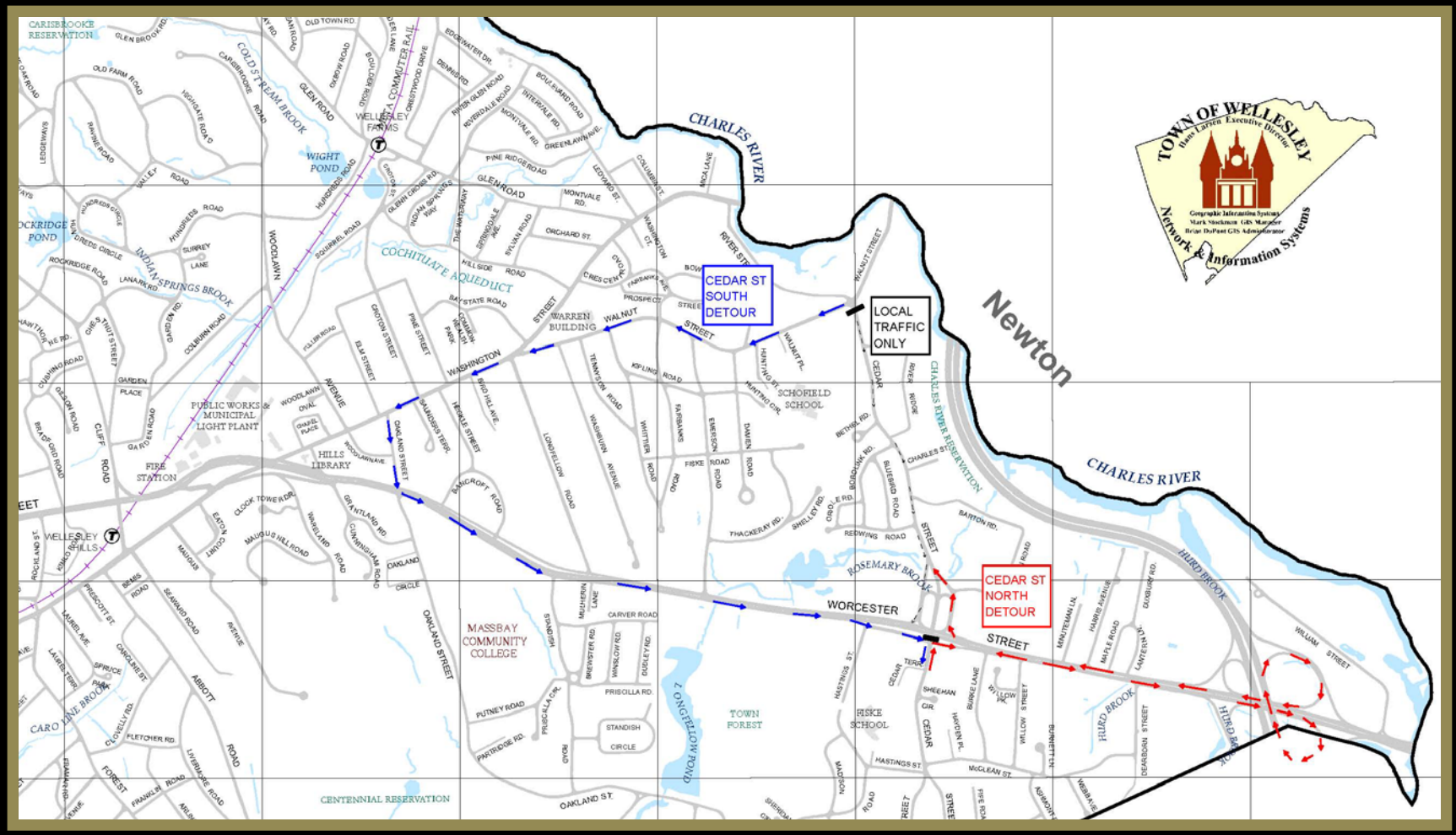
(July 1st @ 8 PM)



ACCELERATED BRIDGE PROGRAM

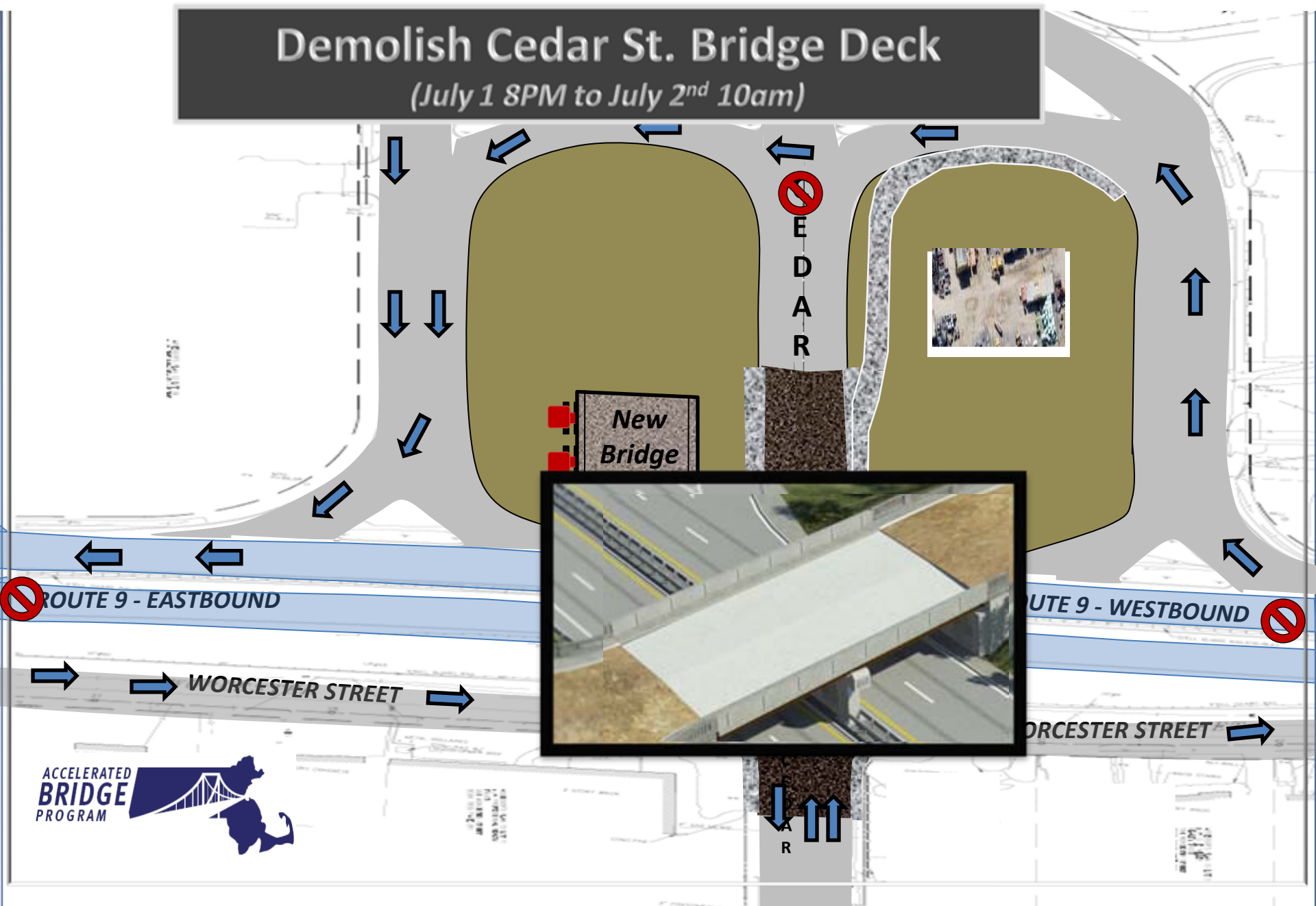
Detour Rt. 9 & Close Cedar

(July 4th Weekend)



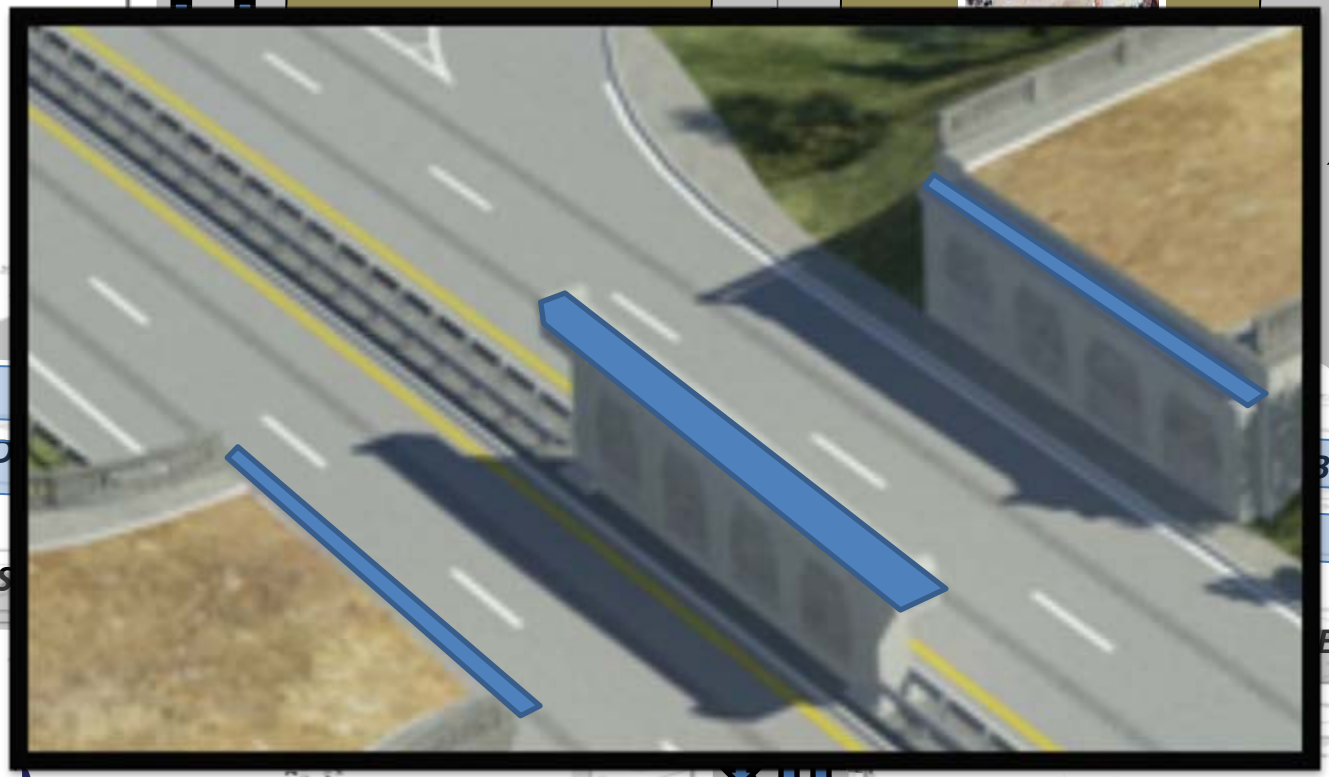
Demolish Cedar St. Bridge Deck

(July 1 8PM to July 2nd 10am)



Cut and Prepare Abutments and Pier

(July 2nd)



ROUTE 9 - EASTBOUND

BOUND

WORCES

EET

ACCELERATED BRIDGE PROGRAM

Move New Bridge Deck Into Place

(July 3rd)

New Bridge

ROUTE 9 - EASTBOUND

ROUTE 9 - WESTBOUND

Cedar Street Bridge

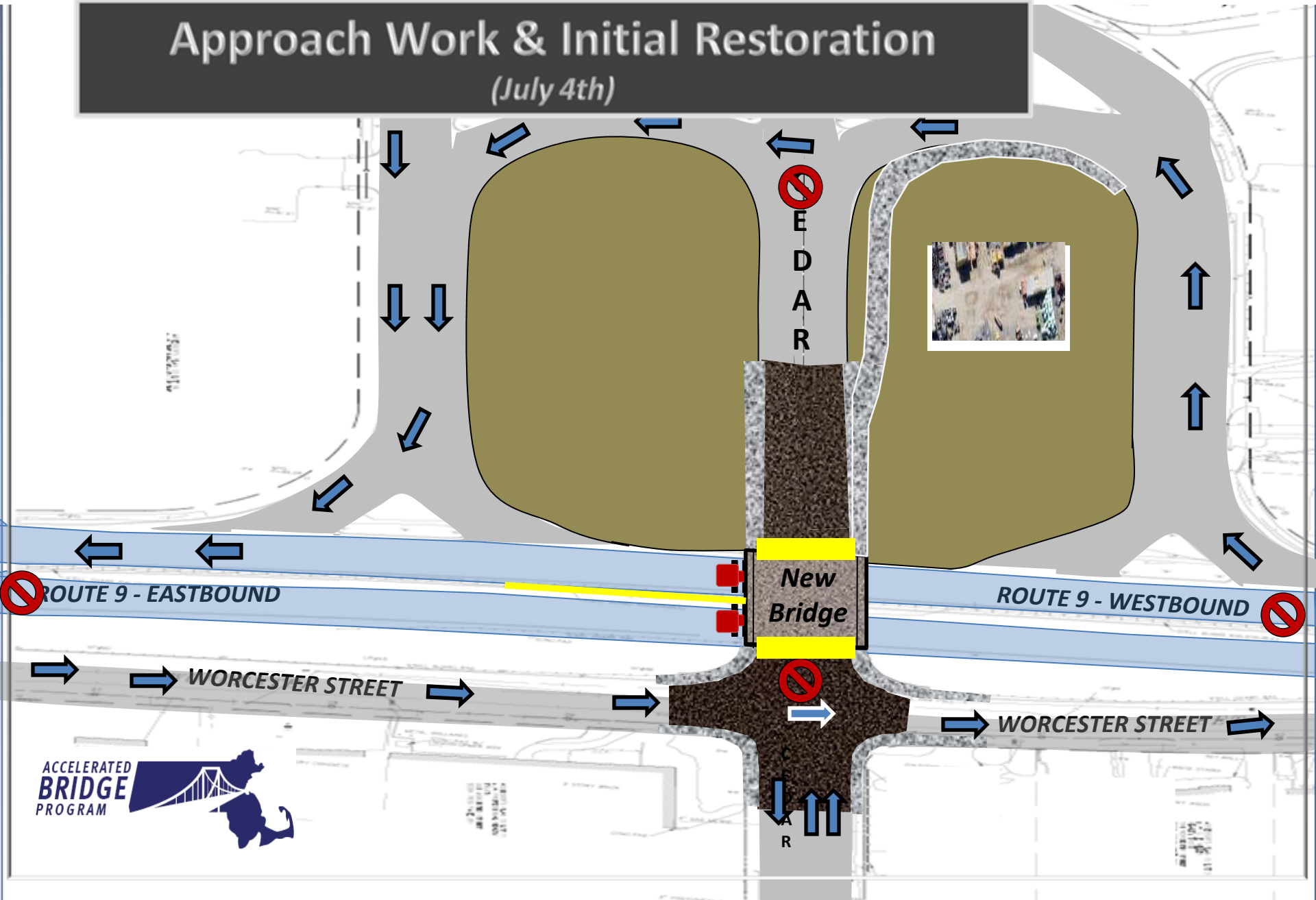
WORCESTER STREET

WORCESTER STREET

ACCELERATED BRIDGE PROGRAM

Approach Work & Initial Restoration

(July 4th)



Open up to Traffic
(5-July-2011 5AM)

CEDAR

ROUTE 9 - EASTBOUND

ROUTE 9 - WESTBOUND

WORCESTER STREET

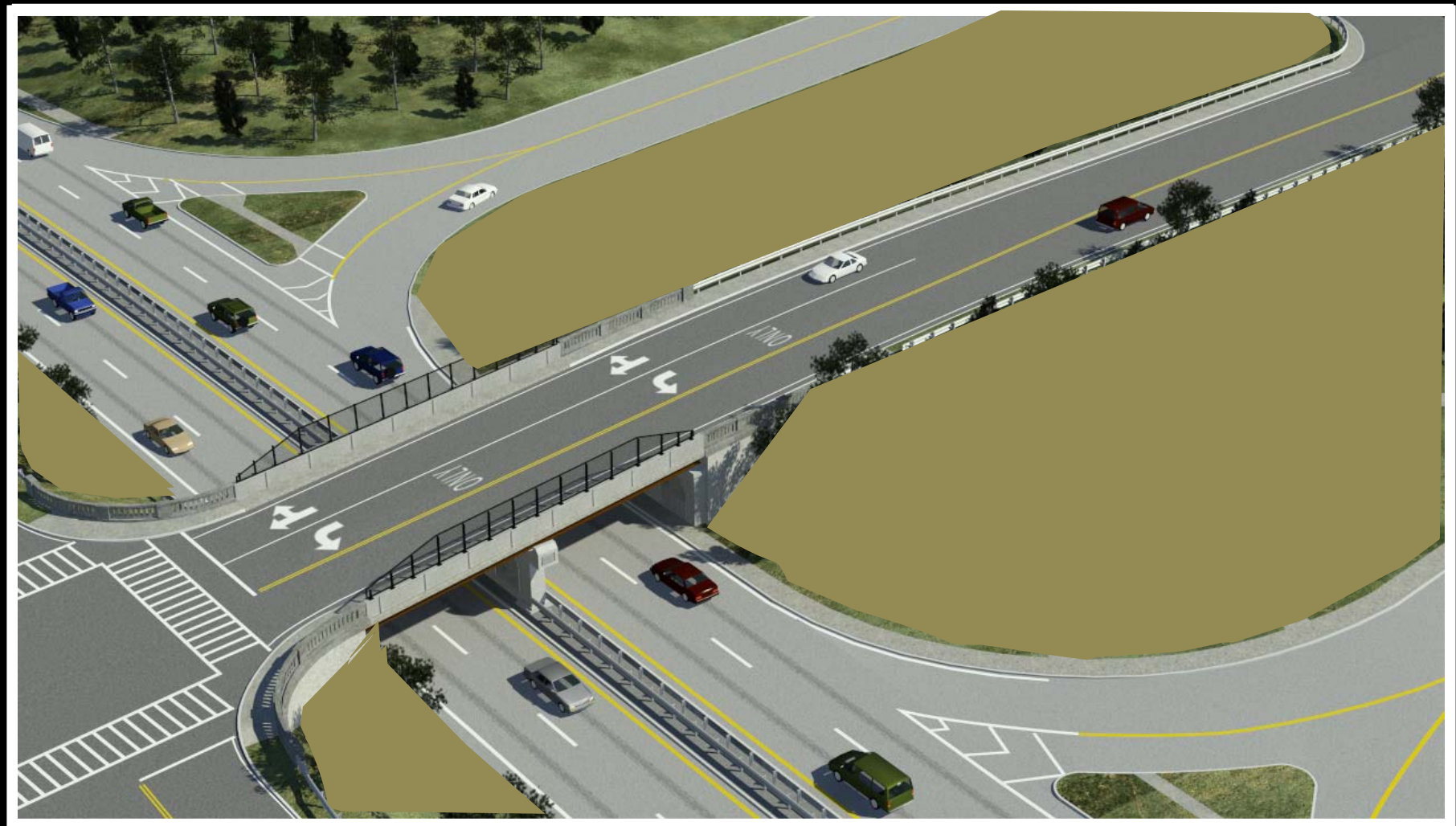
WORCESTER STREET

CEDAR

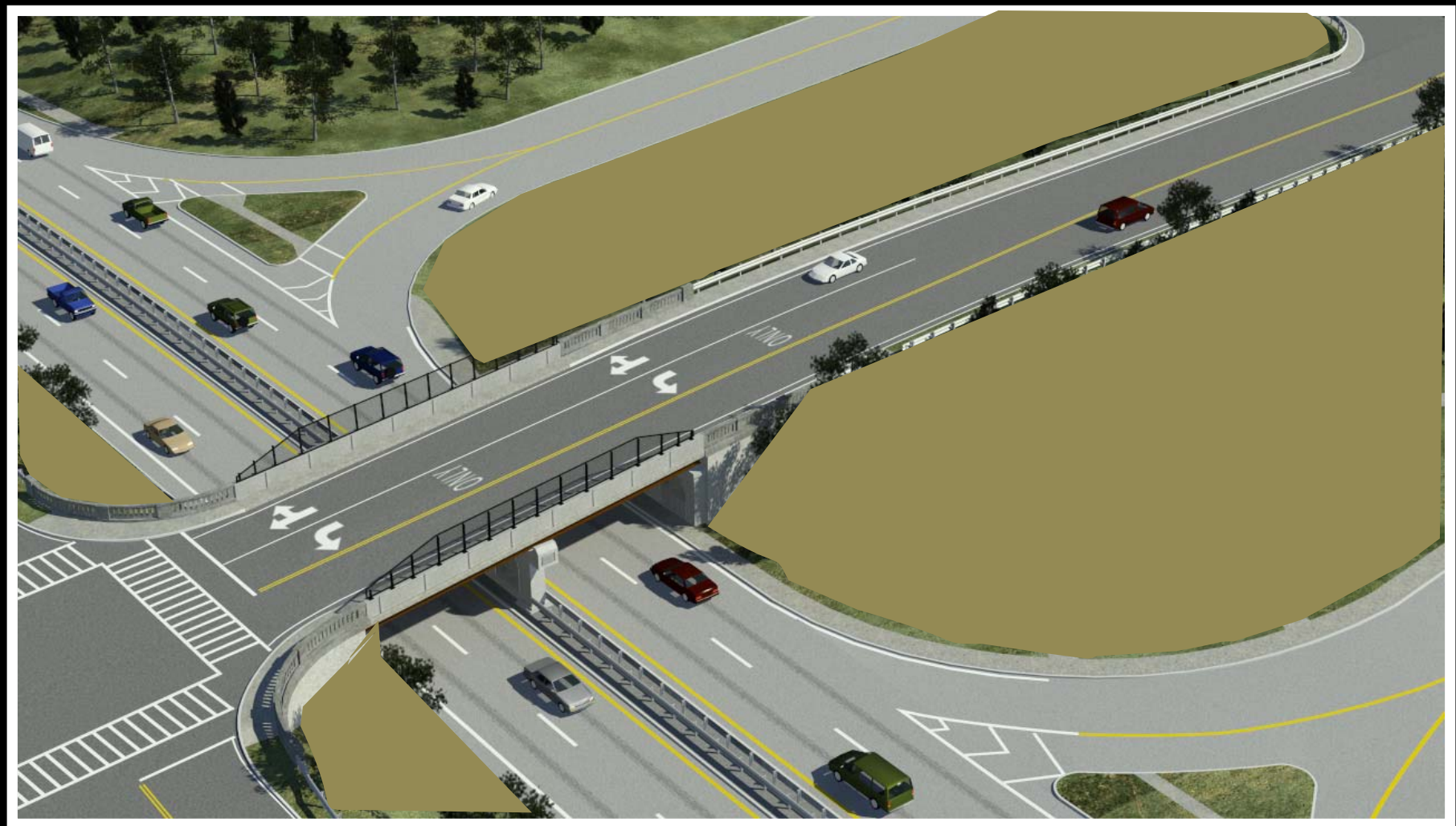
ACCELERATED BRIDGE PROGRAM

Final Paving

July 6 to July 20, 2011



Restore Landscape
(Fall of 2011)



ONLY
ONLY

CEDAR STREET BRIDGE

Wellesley Massachusetts

ACCELERATED BRIDGE PROGRAM

Innovation, Efficiency, & Transparency

Heavy Lift Innovation

Weekend schedule

Cedar Street Bridge Replacement, Wellesley		24h	01/Jul/11 08 PM	04/Jul/11 05 AM
Milestones		**24h**	**01/Jul/11 08 PM**	**04/Jul/11 05 AM**
6040071010	Establish Detour for Rt 9 and Close Cedar Street	0h	01/Jul/11 08 PM	
6040071020	Superstructure Demolition Complete	0h		02/Jul/11 10 AM
6040071030	Substructure Demolitions Complete	0h		02/Jul/11 09 PM
6040071040	Substructure Ready for New Bridge	0h		03/Jul/11 05 AM
6040071050	New Bridge In Place	0h		03/Jul/11 01 PM
6040071060	Restorations Complete	0h		03/Jul/11 11 PM
6040071070	Open to Traffic	0h		04/Jul/11 05 AM
Summary		**24h**	**01/Jul/11 08 PM**	**04/Jul/11 05 AM**
6040072010	Mobilize for Roadway Work	3h	01/Jul/11 08 PM	01/Jul/11 11 PM
6040072030	Mobilize for Self Propelled Modular Transporters (SPMT's)	16h	01/Jul/11 09 PM	02/Jul/11 01 PM
6040072040	Bridge Superstructure Demolition	11h	01/Jul/11 11 PM	02/Jul/11 10 AM
6040072050	Bridge Substructure Demolition	10h	02/Jul/11 10 AM	02/Jul/11 08 PM
6040072060	Bridge Substructure Work	12h	02/Jul/11 08 PM	03/Jul/11 08 AM
6040072070	Move Bridge and Set in Place	5h	03/Jul/11 08 AM	03/Jul/11 01 PM
6040072080	Roadway Tie Ins & Restoration	10h	03/Jul/11 01 PM	03/Jul/11 11 PM
6040072090	Finishes	6h	03/Jul/11 11 PM	04/Jul/11 05 AM

Full Schedule

Act ID	Activity Name	OD	Start	Finish
Cedar Street Bridge Replacement, Wellesley		874	15/Jan/10	22/Aug/11
Milestones		**874**	**15/Jan/10**	**22/Aug/11**
6040071005	Advertise Project to Bid	0	15/Jan/10	
6040071020	Notice to Proceed for Design	0	17/May/10	
6040061025	Notice to Proceed for Construction	0	05/Nov/10	
6040071040	Bridge Substructure Precast Ready for Move	0		31/Mar/11
6040071030	Bridge Superstructure Ready for Move	0		23/May/11
6040071055	Mobilize for Bridge Move	0	16/Jun/11	
6040071045	Start Work on Cedar & Worcester Street	0	20/Jun/11	
6040071050	Roadway & Utilities Ready for Move	0		29/Jun/11
6040071065	Close Road for Bridge Move	0	01/Jul/11	
6040071075	Open Road to Traffic	0		03/Jul/11
6040071090	Substantial Completion	0		25/Jul/11
6040071095	Final Completion	0		22/Aug/11